

## INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO.  
CLV-31563P1/CVA  
APPLICATION NO.  
09/911,218  
APPLICANT  
QIU ET AL.  
FILING DATE  
JULY 23, 2001

Group



(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Jlem	AA	4,168,112	9/18/79	Ellis, Edward J., et al	351	160	—
	AB	4,321,261	3/23/82	Ellis, Edward J., et al	424	180	—
	AC	4,941,997	7/17/90	Decher, Gero, et al	252	586	—
	AD	4,973,429	11/27/90	Decher, Gero, et al	252	587	—
	AE	5,068,318	11/26/91	Decher, Gero, et al	534	573	—
	AF	5,518,767	5/21/96	Rubner, Michael, et al	427	259	—
	AG	5,529,727	6/25/96	LaBombard, Denis	264	1.36	—
	AH	5,536,573	7/16/96	Rubner, Michael, et al	428	378	—
	AI	6,011,082	01/04/00	Wang, Yading	523	107	—
	AJ	5,807,636	09/15/98	Sheu et al.	428	403	—
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Jlem	AM	0 032 443 A2	1/9/81	Europe	—	—	<input type="checkbox"/>	<input type="checkbox"/>
	AN	0 138 385 A2	9/13/84	Europe	—	—	<input type="checkbox"/>	<input type="checkbox"/>
	AO	05318118	3/21/93	Japan - abstract	—	—	<input type="checkbox"/>	<input type="checkbox"/>
	AP	GB 2, 102,070	1/5/78	Great Britian	—	—	<input type="checkbox"/>	<input type="checkbox"/>
	AQ	JP 01,158,412	2/26/80	Japan	—	—	<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

Jlem	AR	Blood Capatibility-Surface Characteristic Relationships of a Langmuir-Blodgett Film Composed of an Anionic Amphiphile-Polycation Complex, Uchida M., et al., New Polymers Material, Vol. 4, No. 3 pp. 119-211 (1994)
	AS	Enhancement of Light Emitting Diodes Based on Self-Assembled Heterosctructures of Poly (P-phenylene vinylene), O. Onitsuka, et al., Journal Applied Physics, 80, (7), 1 October 1996, ppg 4067-4071
	AT	Investigations of New Self-Assembled Multilayer Thin Films Based on Alternately Absorbed Layers of Polyelectrolytes and Functional Dye Molecules, D. Yoo, et al., Material Resource, Soc. Symp. Proc. Vol. 413, 1996, Materials Research Society

EXAMINER

Jennifer Kolb Michener

DATE CONSIDERED

6/5/03

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

FORM PTO-1449  
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

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							YES	NO
<i>jean</i>	AA	WO 95/00618	1/5/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AB	WO 95/02251	1/19/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AC	WO 95/20407	8/3/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AD	WO 96/18498	06/25/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AE	WO 96/31792	10/10/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AF	WO 96/37241	4/25/96	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AG	WO 99/57581	11/11/99	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AH	WO 98/05269	02/12/98	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AI	EP 0989418	03/29/00	European Patent Office			<input type="checkbox"/>	<input type="checkbox"/>
	AJ						<input type="checkbox"/>	<input type="checkbox"/>
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	AZ						<input type="checkbox"/>	<input type="checkbox"/>

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*Michener*

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AA	New Electro-Active Self-Assembled Multilayer Thin Films Based on Alternately Absorbed Layers of Polyelectrolytes and Functional Dye Molecules, D. Yoo, et al., Elsevier Science, S.A., 1977, ppg 1425-1426
AB	Layer-By-Layer Modification of Surfaces Through the Use of Self-Assembled Monolayers of Polyions, D. Yoo, et al., ANTEC, 1995 ppg 2568-2570
AC	<del>Molecular Self-Assembly of Conducting Polymers: A New Layer-by-Layer Thin Film Deposition Process, J. H. Chung, et al.,</del>
AD	<del>Patterned Polymer Multilayer Fabrication by Controlled Adhesion of Polyelectrolytes to Plasma-Modified Fluoropolymer Surfaces, T. G. Vargo, et al., Supramolecular Science, Volume 2, Numbers 3-4, 1995, ppg 169-174</del>
AE	Molecular-Level Processing of Conjugated Polymers 1. Layer-by-Layer Manipulation of Conjugated Polyions, M. Ferreira, et al., Macromolecules, Vol. 28, No. 21, 1995, ppg 7107-7114
AF	Molecular-Level Processing of Conjugated Polymers 2. Layer-by-Layer Manipulation of In-Situ Polymerized p-type Doped Conduction Polymers, M. Ferreira, et al., Macromolecules, Vol. 28, No. 21, 1995, ppg 7115-7120
AG	Molecular-Level Processing of Conjugated Polymers 3. Layer-by-Layer Manipulation of Polyaniline via Electrostatic Interactions, J. H. Cheung et al., Macromolecules, 1997, 30, ppg 2712-2716
AH	International Search Report
AI	
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Those refs not considered were not supplied.